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GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20090001
Agency Interest No. 2866

Gary Milhollen
General Manager
West Fraser, Inc.
Forestry and Wood Products Division
P.O. Box 1, Highway 34 North
Joyce, LA 71440

RE: Part 70 Operating Permit Renewal and Modification, Joyce Mill
West Fraser, Inc., Joyce, Winn Parish, Louisiana

Dear Mr. Milhollen:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010.

Permit No.: 3240-00006-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:tam
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Joyce Mill
Agency Interest No.: 2866
West Fraser, Inc.
Joyce, Winn Parish, Louisiana

I. Background

Joyce Mill is an existing facility located in Winn Parish near Joyce. Joyce Mill was previously owned and operated by Riverwood International Corporation and Plum Creek. Joyce Mill obtained an initial Part 70 operating permit, Permit No. 3240-00006-V0, and a PSD permit, PSD-LA-679, on April 24, 2002. Under Permit No. 3240-00006-V1 issued July 17, 2004, Joyce Mill underwent construction to increase lumber production from 240 million board feet per year to 300 million board feet per year. The facility currently operates under Permit No. 3240-00006-V1, PSD-LA-679, and PSD-LA-701 issued July 19, 2004, amended July 22, 2004.

This is the Part 70 operating permit renewal and modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by West Fraser, Inc. dated February 19, 2009 requesting a Part 70 operating permit renewal and modification. Additional information dated June 25, 2009 was also received.

III. Description

Joyce Mill produces lumber and wood wastes, such as wood chips, shavings, sawdust and bark. The wood waste is used for fuel in the boilers.

LOG PROCESSING: Logs received by truck are weighed and inspected to determine volume and value. The logs are then taken to the log storage area. Typically, the outdoor log piles are sprayed with water to maintain high moisture content. Ring debarkers remove the outer layers of wood and bark. The logs are then cut to length according to the needs of the sawmill. The bark and wood waste produced in this area are hogged and then conveyed to the fuel house for use as boiler fuel.

LUMBER PRODUCTION: Logs to be used in lumber production are sent to the sawmill where they are processed into green lumber. Scrap material from the sawmill is used to produce chips, which are screened and conveyed to the chip loading bin for sale. Fines from the sawing and chipped processes are collected and transferred to the fuel house as boiler fuel.

The lumber is sorted and stacked prior to drying. The lumber is dried in the kilns. From the kilns, the dried lumber is transferred to the cooling shed, sorted and then sent to the planer mill. In the planer mill, the lumber is planed, graded, packaged, and stored prior to shipment

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off-site. Planer shavings are collected by a cyclone and transferred to the shavings loading bin for shipment off-site.

POWERHOUSE: The mill currently operates three wood waste-fired boilers, which produce steam for the mill. Each boiler is equipped with a multiclone for control of particulate matter emissions.

With submittal of this renewal, West Fraser, Inc. includes emission updates obtained from recent data, thus, classifying the Joyce Mill as a major source for Toxic Air Pollutants (TAPs). Also, the Joyce Mill operates one 281 horsepower diesel-fired fire water pump engine (FP-1) that will be added to the permit as an emission point.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	736.44	736.44	0.0
SO ₂	35.70	35.70	0.0
NO _x	569.40	522.06	- 47.34
CO	2146.90	2146.90	0.0
VOC *	786.00	786.40	+ 0.40
VOC TAPs	16.522	75.913	+59.391
Non-VOC TAPs	3.001	3.69	+0.689

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Acetaldehyde	0.980	0.985	+ 0.005
Acrolein	4.740	4.744	+ 0.004
Benzene	4.990	4.981	- 0.009
Formaldehyde	5.220	7.619	+2.399
Methyl ethyl ketone	0.0	0.006	+ 0.006
Carbon Tetrachloride	0.0	0.052	+ 0.052

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Chlorobenzene	0.0	0.038	+ 0.038
Chloroform	0.0	0.033	+ 0.033
Methyl chloride	0.0	0.028	+ 0.028
Methanol	0.0	30.750	+ 30.750
Dichloromethane	0.0	0.344	+ 0.344
1,2-Dichloropropane	0.0	0.038	+ 0.038
Ethyl benzene	0.100	0.037	- 0.063
Propionaldehyde	0.0	0.073	+ 0.073
2,2,4-Trimethylpentane	0.002	0.0	- 0.002
Styrene	0.0	2.253	+ 2.253
Toluene	0.100	1.091	+ 0.991
n-Hexane	0.100	0.0	- 0.100
1,1,1-Trichloroethane	0.0	0.037	+ 0.037
Vinyl Chloride	0.0	0.022	+ 0.022
Xylene (mixed isomers)	0.100	0.027	- 0.073
Polynuclear Aromatic Hydrocarbons	0.0	0.004	+ 0.004
2,3,7,8-Tetrachlorodibenzo p-dioxin	0.0	0.003	+ 0.003
Chloronated dibenzo p-dioxins	0.0	0.003	+ 0.003
Phosphorus	0.0	0.032	+ 0.032
Hydrochloric acid	0.0	22.537	+ 22.537
Naphthalene	0.130	0.116	- 0.014
Phenol	0.060	0.060	0.0
Total	16.522	75.913	+ 59.391

Other VOC (TPY): 710.487

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Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Lead	0.060	0.052	-0.008
Arsenic (and compounds)	0.030	0.027	-0.003
Cadmium (and compounds)	0.010	0.005	-0.005
Chromium VI (and compounds)	0.004	0.004	0
Cobalt compounds	0.010	0.008	-0.002
Antimony (and compounds)	0.0	0.009	0.009
Barium (and compounds)	0.0	0.201	0.201
Beryllium (and compounds)	0.0	0.003	0.003
Zinc (and compounds)	0.0	0.498	0.498
Manganese (and compounds)	1.900	1.899	-0.001
Mercury (and compounds)	0.004	0.004	0
Nickel (and compounds)	0.040	0.038	-0.002
Selenium (and compounds)	0.003	0.004	0.001
Chlorine	0.940	0.938	-0.002
Total	3.001	3.69	+0.689

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP).

The Joyce Mill currently operates under permit no. PSD-LA-679 issued April 24, 2002 and PSD-LA-701 issued July 19, 2004, amended July 22, 2004.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The lumber kilns are affected sources under NESHAP DDDD but are only required to submit an initial notification.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed renewal were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to remodel emissions.

Dispersion Model(s) Used: NA

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _X	CO	VOC
None						

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IX. Insignificant Activities

ID No.:	Description	Citation
-	Diesel Fuel Tank (Sawmill) – 600 gallons	LAC 33:III.501.B.5.A.3.
-	Diesel Fuel Tank (Fire Pump) – 250 gallons	LAC 33:III.501.B.5.A.3.
-	Diesel Fuel Tank (Auto Shop) – 6,000 gallons	LAC 33:III.501.B.5.A.3.
-	Diesel Fuel Tank (Planner Mill) – 250 gallons	LAC 33:III.501.B.5.A.3.
-	Hydraulic Oil Tank (Log Processing) - 1,000 gallons	LAC 33:III.501.B.5.A.3.
-	15 Hydraulic Oil Containers (Sawmill) < 3,000 gallons total	LAC 33:III.501.B.5.A.3.
-	Hydraulic Oil Tank (Auto Shop) – 560 gallons	LAC 33:III.501.B.5.A.3.
-	Heavy Oil Lube Tank (Sorter/Planer) – 150 gallons	LAC 33:III.501.B.5.A.3.
-	Motor Oil (Auto Shop) – 275 gallons	LAC 33:III.501.B.5.A.3.
-	Compressor Oil (Power House) – 500 gallons	LAC 33:III.501.B.5.A.3.
-	Used Oil (Auto Shop) – 1,000 gallons	LAC 33:III.501.B.5.A.3.
-	Kerosene Parts Washer Tank (Auto Shop) – 250 gallons	LAC 33:III.501.B.5.A.3.
-	Kerosene Parts Washer Tank (Sorter/Planer) – 250 gallons	LAC 33:III.501.B.5.A.3.
-	5 fuel-burning comfort heaters (30,000 Btu/hr)	LAC 33:III.501.B.5.A.5.
81A	Fire Water Pump Engine (281 HP)*	LAC 33:III.501.B.5.D

* This item currently qualifies as an insignificant activity. Replacement of this item by a new engine that is an affected source under either NSPS IIII or JJJJ, will require a permit modification and removal of the source from the insignificant activity list.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56	59*
UNF1	Entire Facility	1	1	1	1										1		1	1	1	1
EQT 3	74A – Kipper Boiler No. 1	1																		1
EQT 4	74B – Kipper Boiler No. 2	1																		1
EQT 5	75A – McBurney Boiler No. 4	1																		1
EQT 6	69A – Shaving Collection System	1																		
EQT 7	84A – No. 1 Lumber Drying Kiln	1																		1
EQT 8	85A – No. 2 Lumber Drying Kiln	1																		1
EQT 9	85B – No. 3 Lumber Drying Kiln	1																		1
EQT 10	46A – No. 4 Lumber Drying Kiln	1																		1
EQT 11	46B – No. 5 Lumber Drying Kiln	1																		1
EQT 12	46C – No. 6 Lumber Drying Kiln	1																		1
EQT 13	46D – No. 7 Lumber Drying Kiln	1																		1
EQT 14	91A – Gasoline Storage Tank	1																		1
EQT 20	81A – Fire Water Pump Engine	1																		1
GRP 3	AK1 – All Lumber Drying Kilns	1																		1

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Joyce Mill
Agency Interest No.: 2866
West Fraser, Inc.
Joyce, Winn Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61				40 CFR 63 NESHAP			
		A	B	Ka	Kb	D	Db	Dc	KKK	III	A	J	M	A	DDDD	ZZZZ	61	82	
UNFI	Entire Facility																		
EQT 3	74A - Kipper Boiler No. 1																		
EQT 4	74B - Kipper Boiler No. 2																		
EQT 5	75A - McBurney Boiler No. 4																		
EQT 6	69A - Shaving Collection System																		
EQT 7	84A - No. 1 Lumber Drying Kiln																	1	
EQT 8	85A - No. 2 Lumber Drying Kiln																	1	
EQT 9	85B - No. 3 Lumber Drying Kiln																	1	
EQT 10	46A - No. 4 Lumber Drying Kiln																	1	
EQT 11	46B - No. 5 Lumber Drying Kiln																	1	
EQT 12	46C - No. 6 Lumber Drying Kiln																	1	
EQT 13	46D - No. 7 Lumber Drying Kiln																	1	
EQT 14	91A - Gasoline Storage Tank																		
EQT 20	81A - Fire Water Pump Engine																	2	
GRP 3	AK1 - All Lumber Drying Kilns																	1	

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 3, EQT 4, and EQT 5. 74A – Kipper Boiler No. 1, 74B – Kipper Boiler No. 2, 75A- McBurney Boiler No. 4	NSPS Subpart D - Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971. [40 CFR 60.40]	DOES NOT APPLY. Steam generating unit is not capable of firing fossil fuel at a heat input rate of more than 250 MMBtu/hr.
	NSPS Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. [40 CFR 60.40b]	EXEMPT. Construction, modification, or reconstruction is commenced before June 19, 1984.
	NSPS Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. [40 CFR 60.40c]	EXEMPT. Construction, modification, or reconstruction is commenced before June 9, 1989.
EQT 14 91A – Gasoline Storage Tank	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. [40 CFR 110b]	DOES NOT APPLY. Storage vessel stores volatile organic liquids (VOL) with a capacity less than or equal to 75 cubic meters (m^3).

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

AI ID: 2868 West Fraser Inc -Joyce Sawmill
Activity Number: PER20090001
Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
3240-00006		CDS Number	CDS Number	08-05-2002
LA0007498		LPDES #	LPDES Permit #	06-25-2003
WP3558		LWDPS #	LWDPS Permit #	06-25-2003
		West Fraser Inc	Multimedia	02-13-2007
		Rees Incinerator	Other	09-13-2004
		Tremont Lumber Co	Other	01-01-1970
		Crown Zellerbach Joyce Wood Products	TEMPO Merge	03-19-2004
		Manville Forest Product Corp	TEMPO Merge	09-19-2004
		TRI #	Toxic Release Inventory	07-09-2004
116337		71440MNVLHWHY34	Toxic Release Inventory	07-29-2004
72700		UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
		UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
			Main Phone:	3186483310
Physical Location:		6481 Hwy 34 Joyce, LA 71440		
Mailing Address:		PO Drawer 1 Joyce, LA 714400001		
Location of Front Gate:		31.946944 latitude, -92.590833 longitude, Coordinate Method: Lat,Long. - DMS, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	James Gandy	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Emission Inventory Contact for
	James Gandy	PO Drawer 1 Joyce, LA 714400001	James.Gandy@Wes	Responsible Official for
	James Gandy	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Responsible Official for
	James Gandy	PO Drawer 1 Joyce, LA 714400001	James.Gandy@Wes	Emission Inventory Contact for
	Donald Givens	PO Drawer 1 Joyce, LA 714400001	3186284881 (WP)	Underground Storage Tank Contact for
	Quincy Hemphill	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Water Permit Contact for
	Quincy Hemphill	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Water Billing Party for
	Gary Mihollen	PO Drawer 1 Joyce, LA 714400001	3186483360 (WP)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Riverwood International	PO Box 5800 Station 12 West Monroe, LA 712945800	3186963360 (WP)	UST Billing Party for
	West Fraser Inc	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Owns
	West Fraser Inc	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Emission Inventory Billing Party
	West Fraser Inc	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Air Billing Party for
	West Fraser Inc	PO Drawer 1 Joyce, LA 714400001	3186483310 (WP)	Operates

General Information

AI ID: 2866 **West Fraser Inc - Joyce Sawmill**
Activity Number: PER20090001
Permit Number: 3240-000006-V2
Air - Title V Regular Permit Renewal

NAIC Codes:
321113. Sawmills

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AJ ID: 2886 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
EQT 0003	74A - Kipper Boiler No. 1		58.3 MM BTU/hr		wood residue	8760 Hr/yr
EQT 0004	74B - Kipper Boiler No. 2		58.3 MM BTU/hr		wood residue	8760 Hr/yr
EQT 0005	75A - McBurney Boiler No. 4		154.2 MM BTU/hr		wood residue	8760 Hr/yr
EQT 0006	69A - Shavings Collection System					8760 Hr/yr
EQT 0007	84A - No. 1 Lumber Drying Kiln					8760 Hr/yr
EQT 0008	85A - No. 2 Lumber Drying Kiln					8760 Hr/yr
EQT 0009	85B - No. 3 Lumber Drying Kiln					8760 Hr/yr
EQT 0010	46A - No. 4 Lumber Drying Kiln					8760 Hr/yr
EQT 0011	46B - No. 5 Lumber Drying Kiln					8760 Hr/yr
EQT 0012	46C - No. 6 Lumber Drying Kiln					8760 Hr/yr
EQT 0013	46D - No. 7 Lumber Drying Kiln					8760 Hr/yr
EQT 0014	91A - Gasoline Storage Tank	162000 gallons/yr				8760 Hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Entire Facility							
EQT 0003	74A - Kipper Boiler No. 1	96.9	61421	3.7		58	280
EQT 0004	74B - Kipper Boiler No. 2	66.2	41941	3.7		58	357
EQT 0005	75A - McBurney Boiler No. 4	54.6	77845	5.5		50	326
EQT 0007	84A - No. 1 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0008	85A - No. 2 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0009	85B - No. 3 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0010	46A - No. 4 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0011	46B - No. 5 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0012	46C - No. 6 Lumber Drying Kiln	15.05	5559	2.8		23	260
EQT 0013	46D - No. 7 Lumber Drying Kiln	15.05	5559	2.8		23	260

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0003	Equipment Group	AK1 - All Lumber Drying Kilns
SCN 0001	Alternate Operating Scenario	a - 1
UNF 0001	Unit or Facility Wide	UNF1 - Entire Facility

INVENTORIES

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-00006-V2
 Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
EQT 0007	84A - No. 1 Lumber Drying Kiln	GRP000000000003
EQT 0008	85A - No. 2 Lumber Drying Kiln	GRP000000000003, SCN000000000001
EQT 0009	85B - No. 3 Lumber Drying Kiln	GRP000000000003
EQT 0010	46A - No. 4 Lumber Drying Kiln	GRP000000000003
EQT 0011	46B - No. 5 Lumber Drying Kiln	GRP000000000003
EQT 0012	46C - No. 6 Lumber Drying Kiln	GRP000000000003
EQT 0013	46D - No. 7 Lumber Drying Kiln	GRP000000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0220	0220 Sawmill and/or Planing More than 25,00 Bd Ft/Shift		

SIC Codes:

2421	Sawmills and planing mills, general	AI 2866
2421	Sawmills and planing mills, general	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-00006-Y2
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
EQT 0003 74A	105.52	105.52	462.20	25.70	25.70	112.40	35.00	35.00	153.21	1.80	1.80	7.70	1.80	1.80	7.70
EQT 0004 74B	105.52	105.52	462.20	25.70	25.70	112.40	35.00	35.00	153.21	1.80	1.80	7.70	1.80	1.80	7.70
EQT 0005 75A	279.10	279.10	1222.50	67.90	67.90	297.20	92.52	92.52	405.24	4.63	4.63	20.30	4.63	4.63	20.30
EQT 0006 69A							5.66	5.66	24.78						
EQT 0007 84A													504.24	504.24	
EQT 0008 85A													504.24	504.24	
EQT 0009 85B													504.24	504.24	
EQT 0010 46A													504.24	504.24	
EQT 0011 46B													504.24	504.24	
EQT 0012 46C													504.24	504.24	
EQT 0013 46D													504.24	504.24	
EQT 0014 91A													28.03	28.03	0.70
GRP 0003 AK1													212.33	504.24	930.00

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

GRP 0003 VOC Max lb/hr per PSD-LA-701 Which Months: All Year
 GRP 0003 VOC Tons/Year per PSD-LA-701 Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0003 74A	1,1,1-Trichloroethane	0.002	0.002	0.008
	1,2-Dichloropropane	0.002	0.002	0.008
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin	0.001	0.001	0.001
	Acetaldehyde	0.048	0.048	0.212
	Acrolein	0.233	0.233	1.021
	Antimony (and compounds)	0.001	0.001	0.002
	Arsenic (and compounds)	0.001	0.001	0.006
	Barium (and compounds)	0.010	0.010	0.043
	Benzene	0.245	0.245	1.072
	Beryllium (Table 51.1)	0.001	0.001	0.001
	Cadmium (and compounds)	0.001	0.001	0.001
	Carbon tetrachloride	0.003	0.003	0.011
	Chlorinated Dibenzo-P-Dioxins	0.001	0.001	0.001
	Chlorine	0.046	0.046	0.202
	Chlorobenzene	0.002	0.002	0.008
	Chloroform	0.002	0.002	0.007
	Chromium VI (and compounds)	0.001	0.001	0.001
	Cobalt compounds	0.001	0.001	0.002
	Dichloromethane	0.017	0.017	0.074
	Ethyl benzene	0.002	0.002	0.008
	Formaldehyde	0.257	0.257	1.124
	Hydrochloric acid	1.108	1.108	4.852
	Lead compounds	0.003	0.003	0.012
	Manganese (and compounds)	0.093	0.093	0.409
	Mercury (and compounds)	0.001	0.001	0.001
	Methyl chloride	0.001	0.001	0.006
	Methyl ethyl ketone	0.001	0.001	0.001
	Naphthalene	0.006	0.006	0.025
	Nickel (and compounds)	0.002	0.002	0.008
	Phenol	0.003	0.003	0.013
	Phosphorus	0.002	0.002	0.007
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.001
	Propionaldehyde	0.004	0.004	0.016

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0003 74A	Selenium (and compounds)	0.001	0.001	0.001
	Styrene	0.111	0.111	0.485
	Toluene	0.054	0.054	0.235
	Vinyl chloride	0.001	0.001	0.005
	Xylene (mixed isomers)	0.001	0.001	0.006
	Zinc (and compounds)	0.024	0.024	0.107
EOT 0004 74B	1,1,1-Trichloroethane	0.002	0.002	0.008
	1,2-Dichloropropane	0.002	0.002	0.008
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin	0.001	0.001	0.001
	Acetaldehyde	0.048	0.048	0.212
	Acrolein	0.233	0.233	1.021
	Antimony (and compounds)	0.001	0.001	0.002
	Arsenic (and compounds)	0.001	0.001	0.006
	Barium (and compounds)	0.010	0.010	0.043
	Benzene	0.245	0.245	1.072
	Beryllium (Table 51.1)	0.001	0.001	0.001
	Cadmium (and compounds)	0.001	0.001	0.001
	Carbon tetrachloride	0.003	0.003	0.011
	Chlorinated Dibenzo-P-Dioxins	0.001	0.001	0.001
	Chlorine	0.046	0.046	0.202
	Chlorobenzene	0.002	0.002	0.008
	Chloroform	0.002	0.002	0.007
	Chromium VI (and compounds)	0.001	0.001	0.001
	Cobalt compounds	0.001	0.001	0.002
	Dichloromethane	0.017	0.017	0.074
	Ethyl benzene	0.002	0.002	0.008
	Formaldehyde	0.257	0.257	1.124
	Hydrochloric acid	1.108	1.108	4.852
	Lead compounds	0.003	0.003	0.012
	Manganese (and compounds)	0.093	0.093	0.409
	Mercury (and compounds)	0.001	0.001	0.001
	Methyl chloride	0.001	0.001	0.006
	Methyl ethyl ketone	0.001	0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 74B	Naphthalene	0.006	0.006	0.025
	Nickel (and compounds)	0.002	0.002	0.008
	Phenol	0.003	0.003	0.013
	Phosphorus	0.002	0.002	0.007
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.001
	Propionaldehyde	0.004	0.004	0.016
	Selenium (and compounds)	0.001	0.001	0.001
	Styrene	0.111	0.111	0.485
	Toluene	0.054	0.054	0.235
	Vinyl chloride	0.001	0.001	0.005
EQT 0005 75A	Xylene (mixed isomers)	0.001	0.001	0.006
	Zinc (and compounds)	0.024	0.024	0.107
	1,1,1-Trichloroethane	0.005	0.005	0.021
	1,2-Dichloropropane	0.005	0.005	0.022
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin	0.001	0.001	0.001
	Acetaldehyde	0.128	0.128	0.561
	Acrolein	0.617	0.617	2.702
	Antimony (and compounds)	0.001	0.001	0.005
	Arsenic (and compounds)	0.003	0.003	0.015
	Barium (and compounds)	0.026	0.026	0.115
	Benzene	0.648	0.648	2.837
	Beryllium (Table 51.1)	0.001	0.001	0.001
	Cadmium (and compounds)	0.001	0.001	0.003
	Carbon tetrachloride	0.007	0.007	0.030
	Chlorinated Dibenzo-P-Dioxins	0.001	0.001	0.001
	Chlorine	0.122	0.122	0.534
	Chlorobenzene	0.005	0.005	0.022
	Chloroform	0.004	0.004	0.019
	Chromium VI (and compounds)	0.001	0.001	0.002
	Cobalt compounds	0.001	0.001	0.004
	Dichloromethane	0.045	0.045	0.196
	Ethyl benzene	0.005	0.005	0.021
	Formaldehyde	0.678	0.678	2.972

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 75A	Hydrochloric acid	2.930	2.930	12.833
	Lead compounds	0.007	0.007	0.032
	Manganese (and compounds)	0.247	0.247	1.081
	Mercury (and compounds)	0.001	0.001	0.002
	Methyl chloride	0.004	0.004	0.016
	Methyl ethyl ketone	0.001	0.001	0.004
	Naphthalene	0.015	0.015	0.066
	Nickel (and compounds)	0.005	0.005	0.022
	Phenol	0.008	0.008	0.034
	Phosphorus	0.004	0.004	0.018
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.002
	Propionaldehyde	0.009	0.009	0.041
	Selenium (and compounds)	0.001	0.001	0.002
	Styrene	0.239	0.293	1.283
	Toluene	0.142	0.142	0.621
EQT 0007 84A	Vinyl chloride	0.003	0.003	0.012
	Xylene (mixed isomers)	0.004	0.004	0.017
EQT 0008 85A	Zinc (and compounds)	0.065	0.065	0.284
	Formaldehyde		0.640	
EQT 0009 85B	Methanol		8.200	
	Formaldehyde		0.640	
EQT 0010 46A	Methanol		8.200	
	Formaldehyde		0.640	
EQT 0011 46B	Methanol		8.200	
	Formaldehyde		0.640	
EQT 0012 46C	Methanol		8.200	
	Formaldehyde		0.640	
EQT 0013 46D	Methanol		8.200	
	Formaldehyde		0.640	
EQT 0014 91A	Benzene	0.010	0.010	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0014 91A	Ethyl benzene	0.010	0.010	0.001
	Toluene	0.010	0.010	0.001
	n-Hexane	0.010	0.010	0.001
GRP 0003 AK1	Formaldehyde	0.548		2.400
	Methanol	7.021		30.750
UNF 0001 UNF1	1,1,1-Trichloroethane			0.037
	1,2-Dichloropropane			0.038
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin			0.003
	Acetaldehyde			0.985
	Acrolein			4.744
	Antimony (and compounds)			0.002
	Arsenic (and compounds)			0.027
	Barium (and compounds)			0.201
	Benzene			4.981
	Beryllium (Table 51.1)			0.003
	Cadmium (and compounds)			0.005
	Carbon tetrachloride			0.052
	Chlorinated Dibenzo-P-Dioxins			0.003
	Chlorine			0.938
	Chlorobenzene			0.038
	Chloroform			0.033
	Chromium VI (and compounds)			0.004
	Cobalt compounds			0.008
	Dichloromethane			0.344
	Ethyl benzene			0.037
	Formaldehyde			7.619
	Hydrochloric acid			22.537
	Lead compounds			0.052
	Manganese (and compounds)			1.899
	Mercury (and compounds)			0.004
	Methanol			30.750
	Methyl chloride			0.028
	Methyl ethyl ketone			0.006

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill

Activity Number: PER20090001

Permit Number: 3240-00006-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 UNF1	Naphthalene			0.116
	Nickel (and compounds)			0.038
	Phenol			0.060
	Phosphorus			0.032
	Polynuclear Aromatic Hydrocarbons			0.004
	Propionaldehyde			0.073
	Selenium (and compounds)			0.004
	Styrene			2.253
	Toluene			1.091
	Vinyl chloride			0.022
	Xylene (mixed isomers)			0.029
	Zinc (and compounds)			0.498

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

GRP 0003	Formaldehyde	Tons/Year	per PSD-LA-701 Which Months: All Year
GRP 0003	Methanol	Tons/Year	per PSD-LA-701 Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
Activity Number: PER20090001
Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

EQT 0003 74A - Kipper Boiler No. 1

1 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

The boiler shall be operated with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. A report listing the total hours that the wood fired boiler operated below the specified oxygen shall be submitted to the Office of Environmental Compliance, Enforcement Division by February 15 for the preceding calendar year.

Permittee shall demonstrate compliance with the particulate matter, carbon monoxide and nitrogen oxides emission limits of this permit by performing stack tests on the boiler. Boiler shall be retested every five years. Test method and procedures shall be in accordance with 40 CFR 60, Appendix A, Method 5 -Determination of Particulate Matter Emissions from Stationary Sources, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources, and Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources.

Alternate stack test methods may be used with prior approval of the Office of Environmental Assessment, Environmental Technology Division. Permittee shall install, operate and maintain continuous monitors for the boiler to provide a continuous record of oxygen in the stack gas. The continuous oxygen monitors shall conform to the specifications of 40 CFR 60, Appendix B. Oxygen monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. If Emits Class I and/or Class II TAP less than the MER (facility wide) Chapter 51 MACT is not required. If Emits Class III TAP only, Chapter 51 MACT is not required.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be operating the boiler with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. Also, boiler shall be operated with continuous oxygen monitors that conform to the specifications of 40 CFR 60, Appendix B.

EQT 0004 74B - Kipper Boiler No. 2

9 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

SPECIFIC REQUIREMENTS

AJ ID: 2866 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-00006-V2
 Air - Title V Regular Permit Renewal

EQT 0004 74B - Kipper Boiler No. 2

12 [LAC 33:III.501.C.6]

Permittee shall demonstrate compliance with the particulate matter, carbon monoxide and nitrogen oxides emission limits of this permit by performing stack tests on the boiler. Boiler shall be retested every five years. Test method and procedures shall be in accordance with 40 CFR 60, Appendix A, Method 5 -Determination of Particulate Matter Emissions from Stationary Sources, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources, and Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Alternate stack test methods may be used with prior approval of the Office of Environmental Assessment, Environmental Technology Division. The boiler shall be operated with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. A report listing the total hours that the wood fired boiler operated below the specified oxygen shall be submitted to the Office of Environmental Compliance, Enforcement Division by February 15 for the preceding calendar year.

13 [LAC 33:III.501.C.6]

Permittee shall install, operate and maintain continuous monitors for the boiler to provide a continuous record of oxygen in the stack gas. The continuous oxygen monitors shall conform to the specifications of 40 CFR 60, Appendix B. Oxygen monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. If Emits Class I and/or Class II TAP less than the MER (facility wide) Chapter 51 MACT is not required. If Emits Class III TAP only, Chapter 51 MACT is not required.

16 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be operating the boiler with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. Also, boiler shall be operated with continuous oxygen monitors that conform to the specifications of 40 CFR 60, Appendix B.

EQT 0005 75A - McBurney Boiler No. 4

17 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

20 [LAC 33:III.501.C.6]

Permittee shall demonstrate compliance with the particulate matter, carbon monoxide and nitrogen oxides emission limits of this permit by performing stack tests on the boiler. Boiler shall be retested every five years. Test method and procedures shall be in accordance with 40 CFR 60, Appendix A, Method 5 -Determination of Particulate Matter Emissions from Stationary Sources, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources, and Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources.

21 [LAC 33:III.501.C.6]

Alternate stack test methods may be used with prior approval of the Office of Environmental Assessment, Environmental Technology Division. Permittee shall install, operate and maintain continuous monitors for the boiler to provide a continuous record of oxygen in the stack gas. The continuous oxygen monitors shall conform to the specifications of 40 CFR 60, Appendix B. Oxygen monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-000006-Y2
 Air - Title V Regular Permit Renewal

EQT 0005 75A - McBurney Boiler No. 4

- 22 [LAC 33:III.501.C.6] The boiler shall be operated with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. A report listing the total hours that the wood fired boiler operated below the specified oxygen shall be submitted to the Office of Environmental Compliance, Enforcement Division by February 15 for the preceding calendar year. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. If Emits Class I and/or Class II TAP less than the MER (facility wide) Chapter 51 MACT is not required. If Emits Class III TAP only, Chapter 51 MACT is not required.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be operating the boiler with a flue gas oxygen concentration of greater than or equal to 2%, based on an hourly average, except during grate raking/soot blowing operations. Also, boiler shall be operated with continuous oxygen monitors that conform to the specifications of 40 CFR 60, Appendix B.

EQT 0006 69A - Shavings Collection System

- 25 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
 Total suspended particulate <= 61.98 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Cyclone vents: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Perform maintenance as necessary.
 Which Months: All Year Statistical Basis: None specified
 Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance.
 Cyclone vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance.
 Cyclone vents: Visible emissions monitored by visual inspection/determination daily.
 Which Months: All Year Statistical Basis: None specified

EQT 0014 91A - Gasoline Storage Tank

- 32 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
 33 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
 34 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

SPECIFIC REQUIREMENTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
Activity Number: PER20090001
Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

EQT 0014 91A - Gasoline Storage Tank

Usage of Gasoline <= 162000 gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if gasoline usage exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Usage of Gasoline monitored by technically sound method monthly.

Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March. Report the gasoline usage for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.

Gasoline recordkeeping by electronic or hard copy monthly. Keep records of the total gasoline usage each month, as well as the total gasoline usage for the last twelve months. Make records available for inspection by DEQ personnel.

GRP 0003 AK1 - All Lumber Drying Kilns

Group Members: EQT 0010 EQT 0011 EQT 0007 EQT 0008 EQT 0009

39 [40 CFR 63.2252]

40 [LAC 33:III.501.H.1.a]

Submit initial notification requirements in 63.9 (b) by the dates specified. Subpart DDDD.

To ensure compliance with permitted emission limits, stack tests shall be performed every five years on two of the seven lumber kilns: EQT 7, EQT 8, EQT 9, EQT 10, EQT 11, EQT 12 and EQT 13. Subsequent testing shall be performed on different kilns than the previous stack tests. The following test methods and procedures from New Source Performance Standards, 40 CFR 60, Appendix A, shall be used:

- Gaseous organic compounds by Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatography.
- Gaseous organic compounds by Method 25A - Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer

Alternate test methods may be used with prior approval of the Office of Environmental Assessment, Environmental Technology Division. In order to provide flexibility in the individual throughput of the steam-heated lumber kilns, Emission Point Nos. 84A, 85A, 85B, 46A, 46B, 46C and 46D, the permittee shall operate the lumber kilns so that the total annual production shall not exceed 300 MM board feet per year. The calculated total annual tons of VOC shall not exceed 930. The overall production and the calculated tons of VOC for the lumber kilns shall be recorded each month, as well as the overall production and the calculated tons of VOC for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall production and the calculated tons of VOC above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing each 12 month cumulative total overall production of lumber and the calculated tons of VOC for the lumber drying kilns shall be submitted to the Office of Environmental Compliance by March 31 for the preceding year.

Production rate <= 300 MM board ft./yr.

Which Months: All Year Statistical Basis: Twelve-calendar month average

Based on the RBLC search, the technical infeasibility of control devices, and surveys of other states agency BACT determinations, proper kiln design and operation with no add-on VOC controls is BACT. The VOC BACT limit is 6.20 lb/MMBtu.

SPECIFIC REQUIREMENTS

AI ID: 2886 - West Fraser Inc - Joyce Sawmill
Activity Number: PER20090001
Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

GRP 0003 AK1 - All Lumber Drying Kilns

- 44 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. If Emits Class I and/or Class II TAP less than the MER (facility wide) Chapter 51 MACT is not required. If Emits Class III TAP only, Chapter 51 MACT is not required.
- 45 [LAC 33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be 40 CFR 63 Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products.

UNF 0001 UNF1 - Entire Facility

- 46 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 47 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 48 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 49 [40 CFR 82. Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 50 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 51 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 52 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 53 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 54 [LAC 33:III.2119] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 55 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 56 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 57 [LAC 33:III.5107.A] Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

SPECIFIC REQUIREMENTS

AI ID: 2866 - West Fraser Inc - Joyce Sawmill
 Activity Number: PER20090001
 Permit Number: 3240-00006-V2
 Air - Title V Regular Permit Renewal

UNF 0001 UNF1 - Entire Facility

- 58 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 59 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:1.3923.
- 60 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931.
- 61 [LAC 33:III.5107.B.4] Submit notification in the manner provided in LAC 33:1.3923.
- 62 [LAC 33:III.5107.B.5] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.vii.
- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537.
 [LAC 33:III.535, LAC 33:III.537]
- Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

SPECIFIC REQUIREMENTS

AI ID: 2868 - West Fraser Inc - Joyce Sawmill
Activity Number: PER20090001
Permit Number: 3240-00006-V2
Air - Title V Regular Permit Renewal

UNF 0001 UNF1 - Entire Facility

69 [LAC 33:III.919.D]

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

Louisiana Department of Environmental Quality (LDEQ) Office of Environmental Services

STATEMENT OF BASIS

Joyce Mill
West Fraser, Inc.
Joyce, Winn Parish, Louisiana
Agency Interest Number: 2866
Activity Number: PER20090001
Proposed Permit Number: 3240-00006-V2

I. APPLICANT

Company:
West Fraser, Inc.
P.O. Box 1
Joyce, Louisiana 71440-0001

Facility:
Joyce Mill
6481 Hwy 34
Joyce, Winn Parish, Louisiana
31.946944 latitude, 92.590833 longitude, Coordinate Method: Lat.\Long. - DMS,
Coordinate Datum: NAD83

II. FACILITY AND CURRENT PERMIT STATUS

Joyce Mill is an existing facility located in Winn Parish near Joyce. Joyce Mill was previously owned and operated by Riverwood International Corporation and Plum Creek. Joyce Mill obtained an initial Part 70 operating permit, Permit No. 3240-00006-V0, and a PSD permit, PSD-LA-679, on April 24, 2002. Under Permit No. 3240-00006-V1 issued July 17, 2004, Joyce Mill underwent construction to increase lumber production from 240 million board feet per year to 300 million board feet per year. The facility currently operates under Permit No. 3240-00006-V1, PSD-LA-679, and PSD-LA-701 issued July 19, 2004, amended July 22, 2004.

III. PROPOSED PROJECT/PERMIT INFORMATION

Application

A permit application and Emission Inventory Questionnaire were submitted by West Fraser, Inc. dated February 19, 2009 requesting a Part 70 operating permit. Additional information dated June 25, 2009 was also received.